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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,702	10/30/2001	Steven Wang	INTL-0679-US (P12997)	9571

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TROP PRUNER & HU, PC  
8554 KATY FREEWAY  
SUITE 100  
HOUSTON, TX 77024

EXAMINER

TAYLOR, NICHOLAS R

ART UNIT PAPER NUMBER

2141

DATE MAILED: 07/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/020,702

Applicant(s)

WANG, STEVEN

Examiner

Nicholas R. Taylor

Art Unit

2141

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 09 May 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

Re

### **DETAILED ACTION**

1. Claims 1-30 have been presented for examination and are rejected.

#### ***Response to Arguments***

2. Applicant's arguments filed 5/9/2005 have been fully considered but they are deemed not persuasive.
3. In the remarks, applicant argued in substance that:

(A) Prior art of Law does not teach using pre-exchanged information in order to avoid the need to exchange information each time a connection is established.

As to point (A), the prior art of Law teaches a method that detects a synchronization packet followed by a data packet, and measures the time offset between the two (Law, paragraph 0031, and figure 4.) This measurement, based on pre-exchanged information, is used in the future in a lookup table to avoid the exchange of information such as the type of data being transmitted, data priority, identification of the device transmitting, etc. (Law, paragraphs 0032-0034.)

#### ***Claim Rejections - 35 USC § 102***

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4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Law et al. (US PGPub 2001/0056501.)

6. As per claims 1, 11, and 21, Law teaches a method comprising:

establishing a wireless connection between a cableless provider and a consumer; and (paragraph 0031)

using pre-exchanged information in order to avoid the need to exchange information each time a connection is established (paragraph 0032.)

7. As per claims 2, 12, and 22, Law teaches the system further including exchanging information upon the first connection between a given cableless provider and a consumer (paragraph 0031-0032, wherein a synch and data packet is initially transmitted.)

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8. As per claims 3 and 13, Law teaches the system further including storing information in order to avoid the need to exchange information each time a connection is established (paragraph 0031-0032, wherein a lookup table is formed.)

9. As per claims 4 and 14, Law teaches the system further including denominating said consumer as the master device and said cableless provider as slave device (figures 7A and 7B, wherein the consumer is always receiving and the provider is always sending.)

10. As per claims 5, 15, and 30, Law teaches the system further including programming said consumer to always be the master device (figures 7A and 7B, wherein the consumer is always receiving.)

11. As per claims 6, 16, and 24, Law teaches the system further including enabling a Bluetooth connection (paragraph 0030, wherein Bluetooth is a 2.4ghz frequency connection as per the "Background of the Invention" section.)

12. As per claims 7, 17, and 25, Law teaches the system further including enabling a Bluetooth connection between said consumer and said cableless provider without providing for authentication (paragraph 0031-0032, wherein no authentication takes place.)

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13. As per claims 8, 18, and 26, Law teaches the system further including enabling a connection between the cableless provider and the consumer without providing for pairing (paragraph 0031-0032, wherein no pairing takes place.)

14. As per claims 9, 19, and 27, Law teaches the system further including providing an indication bit that identifies the cableless provider to establish a connection (paragraph 0031-0032.)

15. As per claims 10, 20, and 29, Law teaches the system further including providing information to a consumer from a cableless provider that indicates the type of device of the cableless provider (paragraph 0031-0032, wherein FHS packets with device type are inherent in the use of the Bluetooth protocol.)

16. As per claim 23, Law teaches the system further wherein said device is a consumer (figure 7B.)

17. As per claim 28, Law teaches the system further wherein said device identifies itself through an FHS packet (paragraph 0031-0032, wherein the use of FHS control packets are inherently required in the use of the Bluetooth protocol.)

***Conclusion***

18. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas Taylor whose telephone number is (571) 272-3889. The examiner can normally be reached on Monday-Friday, 8:00am to 5:30pm, with alternating Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3718.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nicholas Taylor  
Examiner  
Art Unit 2141

  
RUPAL DHARIA  
SUPERVISORY PATENT EXAMINER